## MATERIAL SAFETY DATA SHEET



		PREPARATION/REVISION DATE:
	SECTION	<del></del>
MANUFACTURER'S NAME:		EMERGENCY TELEPHONE:
SELECTRO	ONS LTD.	(203) 755-9900
ADDRESS:		•
137 MATTATUCK HEIGH	ITS RD., P.O.	BOX 115, WATERBURY, CT 06725-0115
CHEMICAL NAME:		COMMON NAME:
		SPS 5070
Electrolyte Cadmium Li	E Solution	Selectron Cadmium LHE Solution
CHEMICAL FAMILY:   1	ORMULA:	
<b>;</b>	CdO NH (CH	H )2 NH
Cadmium Salt	. 2 .	2 2
Ethylenediamine	:	

APPLICAE			LE EXPOSURE LIMITS		
CHEMICAL AND COMMON NAME	- 8	PEL-WISHA/OSHA	TLV-ACGIH	OTHER	
2880-01		3	<del>-</del>		
thylenediamine CAS #107~15-3	.<23	25mg/m	10ppm		
Cadmium Oxide CAS #1306-19-0	7.0	as cd metal	3 .2mg√m as di	ıst	
1766-01		·		-	

The Cadmium Salt in this product precedes the hazardous conditions of the Ethylenediamine contact of this material.

CARCINOGENIC INGREDIENTS

		REFERENCE SOURCE		
CHEMICAL AND COMMON NAME	8	NTP	IARC	WISHA/OSHA
Certain Cadmium compounds are	1626	Ol	recommended	NIOSH#
suspect carcinogens in animals Cadmium Chloride,			level	3 40ug/m
Oxide, Sulfate and Sulfide.	1			

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## SECTION III HEALTH HAZARD DATA

ACUTE HEALTH EFFECTS: Inhalation of Cadmium dust can cause irritation of nose and throat. Long exposure over several hours can cause chest pains, sweating, chills and weaknesses. Death can occur. Ingestion may cause nausea, vomiting, diarrhea and abdominal cramps.

CHRONIC HEALTH EFFECTS: Continuous heavy exposure to fumes can cause loss of smell, ulceration of nose, shortness of breath, kidney damage and mild anemia.

ROUTES OF ENTRY: Inhalation and ingestion; skin absorption; oral.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Prolonged exposure has also been reported to cause an increase of cancer of the prostate in moles.

## EMERGENCY AND FIRST AID PROCEDURES:

EYES - Flush with water for 15 minutes. Consult a physician.

SKIN - Wash with cold water. If irritation develops and/or

persists, consult a physician.

SWALLOWED - Drink large amounts of water and INDUCE vomiting. Contact a physician immediately.

SEC	TION IV C	HEMICAL DATA	
BOILING POINT F	212 °F	SPECIFIC GRAVITY (H20=1)	1.256
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (=1)	N/A
SOLUBILITY (Specify Solvents):		pH	7.5
Complete/water	-		

APPEARANCE AND ODOR: Yellow solution -- slight ammoniacal odor

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	SECTION V P	IYSIC	AL HAZARD DATA		
FLASH POINT (Me	ethod used):		AMMABLE LIMITS:	Lel	Uel
N/A		!	N/A		
TUMENCH TOUT NO. 1	/mn 73 .			<u> </u>	
EXTINGUISHING M	MEDIA: No restric	-+:01	_		
SPECIAL FIRE FI	GHTING PROCEDURES				
			-		
UNUSUAL FIRE AN	ND EXPLOSION HAZAR	RDS: 1	I/A		
INCOMPATIBILITY chlorinated co	=	void):	Strong mineral ac	ids, oxid	dizers &
  -   Cuforingesd co	mpounds.				
•		ixO :	des of nitrogen & c	arbon mon	noxide
may be release	d in a fire.		CONDITIONS TO AVOI	<b>.</b> .	
HAZARDOUS	MAY - OCCUR		N/A	υ <b>:</b> 	
POLYMERIZATION	WILL NOT OCCUR	Х		.,	*
STABILITY	UNSTABLE	 	<u> </u>		
	STABLE	Х			
SE	CTION VI SPILL C	R LEF	K PROCEDURES	····	,
			RELEASED OR SPILLE	D: Person	as not

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Persons not wearing protective clothing must be restricted from the area. Absorb with an inert material and remove to a disposal area if applicable. Ventilate area well -- remove any ignition source. Cannot be flushed to any sewer or drain.

WASTE DISPOSAL METHOD: Must be disposed of at a permitted facility in accordance with State and Federal regulations because of the Cadmium present.

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	SECTION VII EXPO	SURE CONTROL I	NFORMATION	
RESPIRATORY PR	OTECTION (Specify	y type): Mist	respirator should approved.	i be worn -
VENTILATION	LOCAL EXHAUST: adequate exhaust		SPECIAL: N/A	
	MECHANICAL (General): N/A		OTHER: N/A	
PROTECTIVE GLO Impervious	•	EYE PROTECTION and/or face	N: Chemical safet shield.	y goggles
splash on ski		· ·	tive equipment so	) as not to
where ethylen		led or stored.	ot be permitted i Proper training 1.	
			s material should oking or using re	

## SECTION VIII SPECIAL PRECAUTIONS PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Where there is any possibility of exposure to ethylenediamine, facilities for quick drenching of the body should be provided within the immediate work area for emergency. MAINTENANCE PERSONNEL: N/A OTHER PRECAUTIONS: If clothing should become splashed or contaminated with this product, it should be drenched with water and not worn again until laundered. SPS 5070